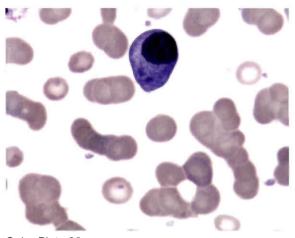
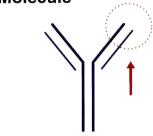


Color Plate 19



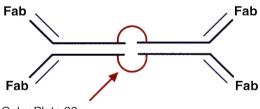
Color Plate 20

## Immunoglobulin Molecule



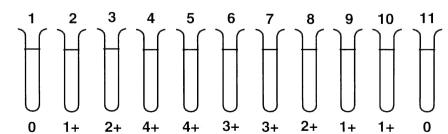
Color Plate 21

## **Dimeric IgA Molecule**



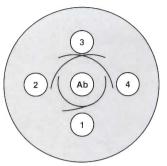
Color Plate 22

## Tube No.



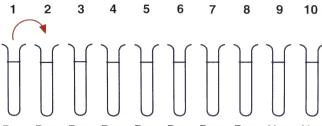
Agglutination

Color Plate 23



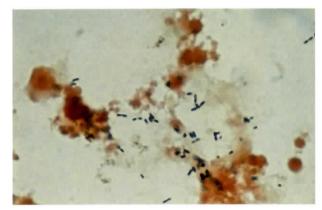
Color Plate 24





**Agglutination**Color Plate 25

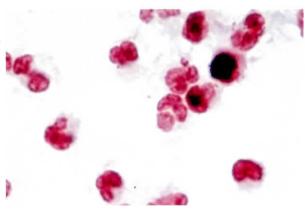
Pos Pos Pos Pos Pos Pos Pos Neg Neg



Color Plate 26



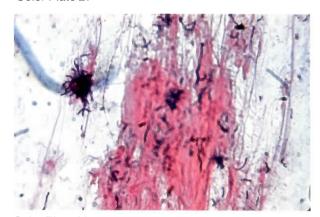
Color Plate 27



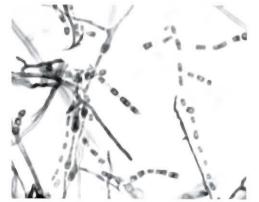
Color Plate 28



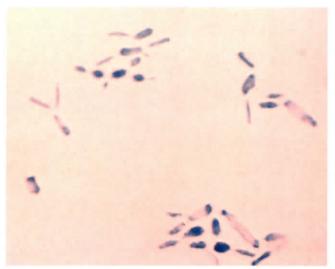
Color Plate 30



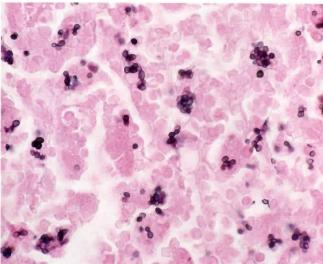
Color Plate 29



Color Plate 31



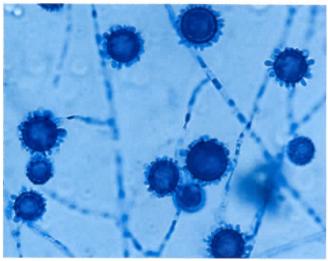
Color Plate 32



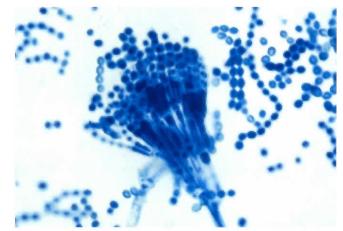
Color Plate 35



Color Plate 33



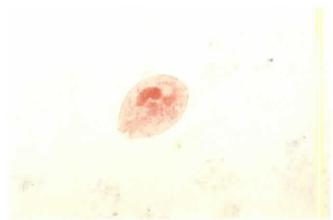
Color Plate 36



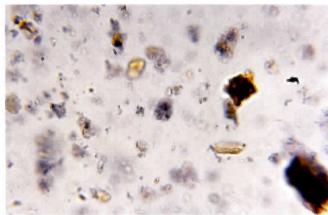
Color Plate 34



Color Plate 37



Color Plate 38



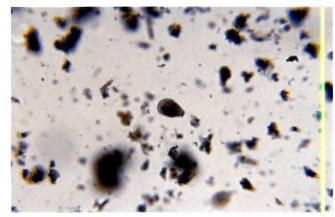
Color Plate 41



Color Plate 39



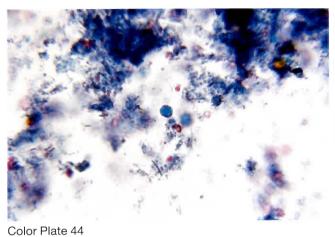
Color Plate 42



Color Plate 40

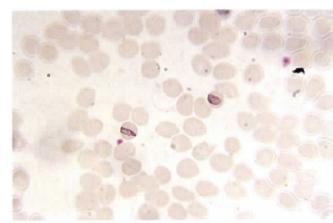


Color Plate 43



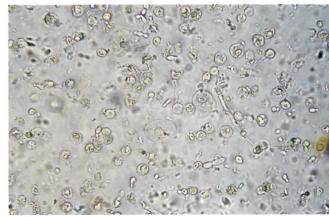


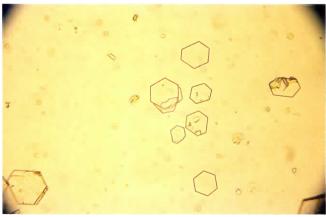
Color Plate 47



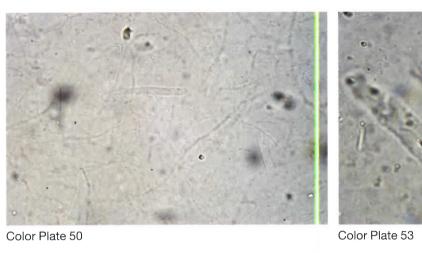


Color Plate 45 Color Plate 48



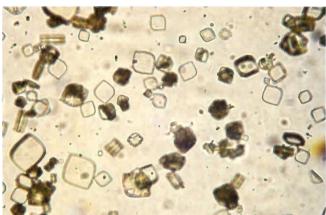


Color Plate 46 Color Plate 49

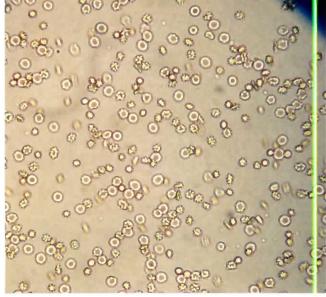






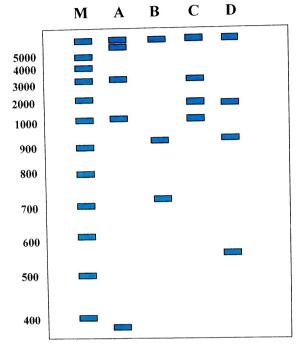


Color Plate 51 Color Plate 54



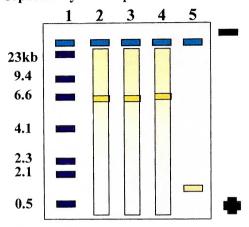


Color Plate 52 Color Plate 55



Color Plate 56

## Digest DNA with restriction enzyme Separate by electrophoresis



Chemical depurination

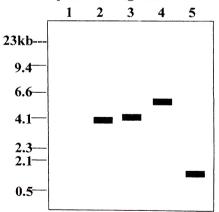
**Denaturation Neutralization** 

Transfer to membrane

Bind DNA to membrane

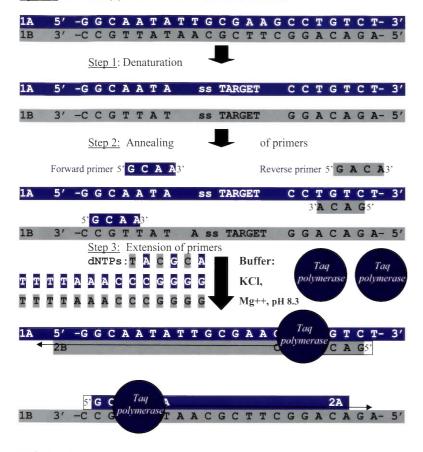
Hybridize membrane with <sup>32</sup>P labeled probe Wash off excess probe Expose to X-ray film

Develop autoradiogram



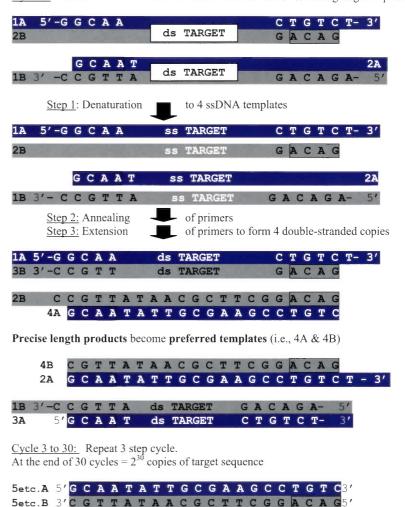
Color Plate 57

Cycle 1: Start with (1) Double-stranded DNA TEMPLATE

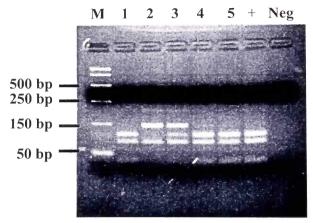


End of cycle 1: 2 double stranded DNA products
Color Plate 58a

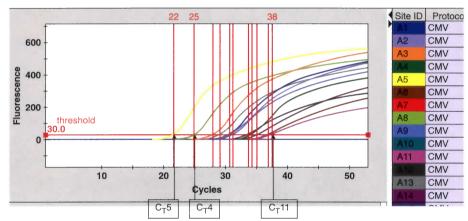
Cycle 2: Start with 2 double-stranded cDNA intermediates containing target sequence



Note: Precise length products are bounded by primer sequences Color Plate 58b



Color Plate 59



Color Plate 60